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8019-1020

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Takakazu ONOUCHI

Confirmation No. 1411

Serial No. 09/812,840

Group 2661

Filed March 21, 2001

MULTI-WAY MULTIPLEX COMMUNICATION SYSTEM AND METHOD OF ASSIGNING CHANNEL IN THE SAME

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents

Washington, D.C. 20231

Sir:

In compliance with Rules 1.97 and 1.98, and in fulfillment of the duty of disclosure under Rule 1.56, the accompanying documents, copies of which are attached to this statement, are made of record on the enclosed sheet.

A concise explanation of the relevance of these items is that these references were cited by the Japanese Patent Office in an Office Action. A copy of the Japanese Office Action in which they were cited is attached hereto, with what is believed to be the pertinent portion enclosed in a wavy line. An English translation of the enclosed portion is also attached hereto.

Under the provisions of 37 CFR 1.97(e), the undersigned hereby certifies that each item of information contained in this Supplemental Information Disclosure Statement was first cited in any communication from a foreign Patent Of-

fice in a counterpart foreign application not more than three months prior to the filing of this Statement.

Respectfully submitted,

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April 24, 2003

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT
(Use several sheets if necessary)

37 CFR 1.98(b)

ATTY. DOCKET NO.	SERIAL NO.
8019-1020	09/812,840
APPLICANT: Takakazu ONOUCHI	
FILING DATE: March 21, 2001	GROUP: 2661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NO.	PUBL. DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANSLATION YES NO
	AF	4-99919	07/92	JAPAN			
	AG	6-268626	09/94	JAPAN			
	AH	7-288497	10/95	JAPAN			
	AI	7-297944	11/95	JAPAN			
	AJ	10-42039	02/98	JAPAN			
	AK	10-257073	09/98	JAPAN			
	AL	10-505965	06/98	JAPAN			
	AM	11-289341	10/99	JAPAN			
	AN	11-331928	11/99	JAPAN			
	AO						

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

	AP	
	AQ	
	AR	

EXAMINER	DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ONOUCHI - U.S. Pat. Appl. 09/812,840
Ref. A279

The invention relating to the following claims of the present application could easily have been invented prior to the present application by a person of ordinary skill in the field of technology pertaining to the invention, based on the invention described in the following publications, which have been in circulation in Japan or abroad prior to the present application, or which could be communicated publicly through electric communication lines. Therefore, in accordance with Patent Law Article 29 Section 2, a patent may not be granted.

Record (See the Reference Citation List to obtain the citation)

Claim 1
Citations 1-4

Remarks:

In Citation 1, reference is made to the invention of a multiplex communication system capable of accommodating an analog line, a base line interface line and a primary group rate interface line.

In addition, as is recorded in Citations 2-4, the establishment of a priority order for each connected party and communication request, and in the case where the allocated communication resources are insufficient, the release of low communication priority positions, and the allocation of communication resources to high priority positions, is technology which is known to one skilled in the Art.

Furthermore, making the invention relating to Claim 1 by applying known technology to the invention recorded in Citation 1 is recognized as something which could be easily conceived by one skilled in the Art.

Claim 3
Citations 1-4

In Citation 4, reference is made to canceling a connection request at the time of receiving a connection request having low priority in a state in which the allocated

communication resources are insufficient. (Reference is made to Sections [0026]-[0028] of Citation 4.

Claim 6
Citations 1-5

Also, with regard to low priority communication as well, enabling communications when there is an emergency is nothing more than an ordinary means to one skilled in the Art. (Reference is made, for example, to the tables and the like appearing on p. 9 of Citation 5.)

At the present time, no grounds for rejection have been found with respect to the invention relating to Claims other than those specified within the written Notice of Grounds for Rejection. In the event that further reasons for rejection are discovered in the future, you will be notified of such reasons.

Reference Citation List

1. Japanese Laid Open Patent Publication Hei 10-42039
2. Japanese Laid Open Patent Publication Hei 7-297944
3. Japanese Laid Open Patent Publication Hei 4-199919
4. Japanese Laid Open Patent Publication Hei 10-257073
5. Japanese Laid Open Patent Publication Hei 10-505965

Record of the Examination Results relating to Documents of the Prior Art

- Examined Technical Field: IPC 7th Edition

H04J 3/00-3/26
H04L 5/22-5/26

Documents of the Prior Art

Japanese Laid-Open Patent Publication Hei 7-288497 (A satellite communication system wherein priority slots are allocated to important lines having a large amount of traffic)

Japanese Laid-Open Patent Publication Hei 11-331928 (A wireless communication system wherein, attaching a priority order for each type of communication, and when a communication having a high priority has achieved the usage of wireless resources by type, wireless lines with a low priority position allocated by type, are allocated to a high communication priority by type).

Japanese Laid-Open Patent Publication Hei 11-289341 (A user having a low priority is enabled to make a connection up to a specified threshold value, and when a user having a high priority is unable to make a connection, the user having a low priority is cut off and the new user is permitted to make a connection).

Japanese Laid-Open Patent Publication Hei 6-268626 (Communication is accomplished by multi-plexing multiple speed lines, using B channels and H channels.)